

BEELSTON AND STAPLEFORD URBAN DISTRICT COUNCIL.

ANNUAL      REPORT



of the

MEDICAL OFFICER OF HEALTH

and the

SENIOR SANITARY INSPECTOR

for

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To the Chairman and Members of the  
BELSTON AND STAPLEFORD URBAN DISTRICT COUNCIL.

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH AND  
SENIOR SANITARY INSPECTOR.

1944.

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 Madam Chairman, Lady and Gentlemen,

The following is a Report on certain selected aspects of the Health and Health Services of the District for the year 1944. It again takes the form of a communication written jointly by the Medical Officer of Health and the Senior Sanitary Inspector.

GENERAL STATISTICS.

Area of District in Acres ... ..	6,482
Population (Registrar General's estimate-mid 1944)	42,040
No. of Inhabited Houses (according to Rate Books).	13,528
Rateable Value ... ..	£267,100
Sum represented by a penny rate ... ..	£1,057

VITAL STATISTICS.

The following are extracts from the Vital Statistics for the year relating to Net Births and Deaths after correction for inward and outward transfers :-

	Males	Females	Total
Live Births (Legitimate)	493	466	959
(Illegitimate)	32	28	60
(Total)	525	494	1019
Stillbirths (Legitimate)	10	13	23
(Illegitimate)	1	2	3
(Total)	11	15	26
Deaths (at all ages)	254	206	460

BIRTH RATE per 1,000 of the estimated resident population - 24.2  
 STILLBIRTH RATE per 1,000 total (live and stillbirths) - 24.9  
 DEATH RATE per 1,000 of the estimated resident population - 10.9

The following tables compare the Birth, Death, Infant Mortality and Maternal Mortality Rates over the past five years.

	1940	1941	1942	1943	1944
BIRTH RATE per 1,000 of the population per annum	18.0	18.4	18.9	20.6	24.2
DEATH RATE per 1,000 of the population per annum	12.1	10.0	9.3	10.0	10.9
INFANTILE MORTALITY RATE (Deaths of infants under one year of age per 1,000 live births)	73.2	64.6	54.7	34.8	48.1

\* Deaths of non-civilians (males) are excluded.

#### MATERNAL MORTALITY

Numbers registered		Rate per 1,000 Total Births (live and still)				
From Sepsis 1944	From other causes-1944	1940	1941	1942	1943	1944
0	1	1.2	1.2	3.6	1.1	0.96

The Birth Rate is easily the highest since the amalgamation of Beeston and Stapleford districts in 1935.

The Death Rate is higher than last year (10.0) and is also slightly above the average for the past ten years.

The Infantile Mortality Rate is also higher than in 1943 when it was 34.8, but is lower than the average for the past 10 years.

It will be seen from the following tables that the Birth, Death and Maternal Mortality Rates for this district compare very favourably with those for England and Wales as a whole, but that the Infantile Mortality Rate is higher.

	Birth Rate	Death Rate	Infantile Mortality Rate	Maternal Mortality Rate
Beeston and Stapleford	24.2	10.9	48.1	0.96
England and Wales	17.6	11.6	46	1.93

OTHER SELECTED DEATHS \*

Numbers Registered	1940	1941	1942	1943	1944
From Cancer	65	52	63	49	66
From Diarrhoea (under 2 years)	1	4	0	2	2
From Influenza	18	11	6	8	4

\* Deaths of non-civilians (males) are excluded.

NOTIFIABLE DISEASES.

Disease	Total cases notified.					Cases admitted to Hos-pital.	Total Deaths *				
	1940	1941	1942	1943	1944	1944	1940	41	42	43	44
Scarlet Fever	83	100	174	198	192	143	0	0	0	0	0
Diphtheria	47	36	13	16	6	6	1	1	1	1	0
Enteric Fever (including Paratyphoid)	2	17	0	0	0	0	0	1	0	0	0
Puerperal Pyrexia	3	2	2	4	2	0	0	0	0	1	0
Pneumonia	31	35	33	37	13	0	34	20	20	19	16
Tuberculosis - Pulmonary	42	44	48	53	53	0	23	24	24	27	17
Tuberculosis - other forms	9	8	6	8	13	0	5	4	2	13	9
Erysipelas	11	16	15	12	8	1	0	0	0	0	0
Meningococcal Meningitis	13	18	3	4	1	1	2	5	0	1	0
Acute Anterior Poliomyelitis	0	1	3	2	3	2	0	0	0	1	0
Ophthalmia Neonatorum	3	2	4	4	3	1	0	0	0	0	0
Measles	883	407	162	625	67	4	1	2	0	0	0
Whooping Cough	103	128	64	53	74	3	0	3	1	0	2
Dysentery	2	0	2	1	12	9	0	0	0	0	0
Encephalitis Lethargica	0	0	0	0	0	0	0	0	1 <sup>2</sup>	1	0

\* Deaths of non-civilians (males) are excluded.

\* Death after illness of many years' duration.

### ISOLATION HOSPITALS.

Of the 109 cases of Infectious Disease sent to hospital during the year, 68 were treated at the South Nottinghamshire Joint Hospital Boards hospitals at Debdale Hall and Scuthwell, whilst 41 had to be treated at outside hospitals. As pointed out last year difficulty is still experienced in hospitalising certain infectious diseases and it is obvious that there is a definite need for additional Isolation Hospital accommodation.

### DIPHTHERIA IMMUNISATION.

	Under 5	Between 5 and 15
Estimated number of children in the area at 31st December, 1944.	4,200	6,600
Estimated percentage of child population immunised at 31st December, 1944.	52%	73%

Since immunisation is not carried out in children under one year of age, this figure cannot exceed about 80%.

### INSULIN.

The Council continued to supply Insulin free of charge to those of the poorer inhabitants of the District who found the increased cost of the material a substantial burden. Five persons were thus supplied up to the end of the year, the amount of Insulin so provided being :-

Standard Insulin (20 units per c.c.) ..... 385 c.c.'s.  
Protamine Insulin (with Zinc) Suspension  
(40 units per c.c.) ..... 905 c.c.'s.

## SCABIES AND PEDICULOSIS.

Our Scabies Clinic at Bramcote continued to function successfully during the year when 619 cases were notified, 68 less than in 1943.

Lethane Oil is still supplied free of charge in cases of Pediculosis with adequate instructions and advice from the Health Visitors.

The following table gives a record of the cases of Scabies treated :-

Cases notified during the year .....	619
Cases treated at the Council's cleansing station ....	597
Attendances at the Council's cleansing station .....	1090
Cases removed to hospital .....	4
Cases treated at home by Health Visitors or own Dr...	45
Cases examined and reported clean .....	601
Cases who left the district or were otherwise lost sight of before being reported clean .....	9

## MATERNITY AND CHILD WELFARE.

### Health Visiting.

	<u>From Beeston Centre</u>	<u>From Stapleford Centre.</u>	<u>Totals.</u>
Infants under one year visited for the first time .....	648	412	1060
Revisits to infants....	1487	1366	2853
Children of one to five years visited for the first time .....	56	191	247
Revisits to older children....	2110	2971	5081
Expectant mothers visited for the first time .....	134	94	228
Revisits to expectant mothers .....	121	113	234
* Post-natal Visits .....	151	18	169
Total Visits .....	4707	5165	9872

\* Where there is no child to be visited (still-births,  
etc.)

### ATTENDANCES AT THE CENTRES.

	<u>Beeston</u>	<u>Stapleford.</u>	<u>Chilwell.</u>	<u>Totals.</u>
By infants and young children ..	11463 .....	5043 .....	1071 .....	17577
By expectant and nursing mothers....	343 .....	89 .....	2 .....	434
Total attendances .....	11806 .....	5132 .....	1073 .....	18011

### MATERNITY HOSPITAL TREATMENT.

The following table shows the numbers of cases sent by the Council during the year to Maternity Hospitals :-

Hospitals.	No. of Cases.
Basford County Hospital	103
Mansfield County Hospital	1

### EAR, NOSE AND THROAT DEPARTMENT.

No. of children operated on for Tonsils and/or Adenoids .... 41

### ARTIFICIAL SUNLIGHT.

	<u>Beeston.</u>	<u>Stapleford.</u>	<u>Totals.</u>
Treatments .....	1115 .....	818 .....	1933

### ISSUE OF VITAMIN PREPARATIONS.

	<u>Beeston and Chilwell</u>		<u>Stapleford</u>		<u>Totals</u>	
	<u>Free</u>	<u>Sold</u>	<u>Free</u>	<u>Sold</u>	<u>Free</u>	<u>Sold</u>
Orange Juice (6 ozs)	2373	52518	1238	20725	3611	73243
Cod Liver Oil (6 ozs)	547	5080	301	2220	848	7300
Vitamin Capsules (packets of 45)	119	1514	16	611	135	2125

### SANITARY CIRCUMSTANCES OF THE AREA.

#### WATER SUPPLY.

As pointed out in previous reports the whole district, with the exception of a few premises served by wells, is supplied adequately with water by the Nottingham Corporation.

During the year eight samples of water have been taken by the Council's officers, and submitted to bacteriological examination and chemical analysis.

Two were from the mains and proved to be entirely satisfactory. Six were from wells, two only of these being satisfactory. Of the four unsatisfactory samples, one was due to inadequate chlorination, the chlorine dose being increased as a result of the Analyst's report. A testing outfit for checking the sufficiency or otherwise of the Chlorine dose was obtained



and daily tests are now being carried out to ensure this.

In the remaining three cases the use of the wells was discontinued. Two of the premises concerned have now been connected to the mains.

#### DRAINAGE.

340 complaints of blocked drains were received during the year, and in accordance with our established custom, which has much to commend it, the blockages were cleared free of cost by Council workmen where this was possible by rodding.

#### RATE AND MICE DESTRUCTION ACT, 1919.

##### INFESTATION ORDER, 1919.

The extermination of rats and mice has again received its full share of attention throughout 1944.

Altogether 483 complaints were received and no less than 1958 visits were made to rat-infested premises.

The measures adopted included poisoning, gassing, trapping and the use of dogs and ferrets. Ratcatchers with dogs and ferrets made 340 visits and killed 867 rats.

#### SANITARY ADMINISTRATION.

##### SUMMARY OF INSPECTIONS

##### Visits:-

To premises on complaints .....	319
P.H. Inspections and reinspections .....	674
Slaughterhouses .....	35
Bakehouses .....	40
Foodshops .....	96
Cowsheds, Dairies & Dairymens Vehicles .....	270
Stables and Pig Styes.....	51
Factories and Workplaces .....	56
Fried Fish Shops .....	26
Cafe Premises and Restaurants .....	50
Places of Entertainment .....	14
Schools .....	55
Re Shops Act .....	48
Re Milk Samples .....	255
Re Food Decontamination .....	8
Scabies .....	66
Re Infectious Diseases .....	351
Re Storage of Petroleum & Carbide .....	2
Re Water Sampling .....	7
Re Water Supply .....	33
Re Moveable Dwellings .....	42
Re Refuse Accumulations .....	15
Re Dustbins .....	399
Re Animals and Fowls .....	25
Re Rats and Mice .....	1958
Re Vermin .....	147

Re Snake Abatement .....	13
Re Food Inspections .....	137
Interviews .....	184
Miscellaneous .....	147
Air Raid Shelters .....	10
Outworkers .....	120
Re Drainage .....	327
Housing Act Inspections and Reinspections .....	1388
Rivers Pollution .....	22

Total Visits .....7389

#### Notices Served:-

##### Housing Act, 1936.

Statutory Notices served during 1944 .....	7
" " brought forward from 1943 .....	Nil
" " complied with during 1944	
(a) by owners .....	1
(b) by Local Authority in default ....	6

##### Public Health Act, 1936.

Statutory Notices served during 1944 .....	180
" " brought forward from 1943 .....	24
" " complied with during 1944 .....	175
" " carried forward to 1945 .....	29

##### Informal Notices.

Served during 1944 .....	534
Brought forward from 1943 .....	55
Complied with during 1944 .....	480
Carried forward to 1945 .....	109

#### INSPECTION AND SUPERVISION OF FOOD.

##### Milk Supply.

No. of inspections of Cowsheds, Dairies, Millshops  
and Dairymens Vehicles ..... 270

No. of registered Milk Producers :-

(a) Wholesalers ... 14      (b) Retailers ... 7      Total ... 21

No. of producers of Tuberculin Tested Milk within the  
district... 1

No. of producers of Accredited Milk within the district.. 7

No. of registered retail purveyors with Dairies within  
this Urban District ..... 13

No. of registered retail purveyors with Dairies outside  
this Urban District ..... 4

No. of persons selling bottled milk only (already  
bottled when received) ..... 55

During 1944 the Ministry of Food prohibited the selling  
of milk by 14 persons who had a very small number of customers.

##### Special Designations.

No. of licensed Pasteurisation Plants in the district ..... 2

No. of Supplementary Licences issued to sell Pasteurised  
Milk ..... 4

No. of Supplementary licences issued to sell  
Tuberculin Tested Milk ..... 3

No. of dealers licences issued to sell Accredited  
Milk ..... 1

No. of dealers licences issued to sell Tuberculin  
Tested Milk ..... 2

Summary of Improvements carried out during 1944.

Cowsheds and Dairies.

New dairy provided ..... 1  
Steam sterilising plant installed ..... 1  
Coolers provided ..... 1  
New covered milking pails provided ..... 1

Milk Sampling.

77 samples of milk were taken during the year and submitted for examination by the Public Analyst. Of the 77, 70 proved to be entirely satisfactory, on the whole a very satisfying result. The samples can be classified as follows:-

A. Pasteurised Milk.

No. of Samples taken.	No. satisfactory.	No. unsatisfactory
66	61	5

These samples were examined for Bacterial Count and Bacillus Coli as well as being submitted to the phosphatase test to determine whether pasteurisation had been properly carried out. Eight of the samples were taken from schools.

Of the five unsatisfactory samples, four showed under-pasteurisation combined in one case with unsatisfactory bacterial count and in one other with failure to pass Bacillus Coli test. The other sample failed to pass both bacterial count and Bacillus Coli tests. Representations regarding these samples were made to the dairies concerned and subsequent samples proved to be satisfactory.

B. Tuberculin Tested Milk.

No. of samples taken.	No. satisfactory.	No. unsatisfactory.
9	7	2

These samples were submitted to the Methylene Blue Test and were examined for Bacillus Coli. The two unsatisfactory samples (both from one dairy) failed to satisfy both tests. The Licensing Authority (Notts. C.C.) were informed and took the matter up with the Producer. Subsequent samples proved to be satisfactory.

C. Raw Milk

No. of samples taken.	No. satisfactory.	No. unsatisfactory.
2	2	Nil.

These two samples were tested for keeping quality.

### Sampling for Tubercle Bacilli.

During the year arrangements were made with the Derbyshire C.C. for samples to be submitted to their laboratory for biological examination for Tubercle Bacilli. 16 such samples, taken from herds within the district were sent in during 1944 but in no case was the Tubercle Bacillus found.

### National Milk Testing and Advisory Scheme.

The above scheme, begun in 1943 in conjunction with the War Agricultural Executive Committee, was continued until August, 1944, when the Ministry of Agriculture and Fisheries decided that we could no longer receive the results of the tests on the samples sent in, and our participation in the scheme ended.

During 1944, until the termination of the arrangement 176 samples were taken, of which 14 were reported to be bad keeping quality. In these latter cases visits were made to the farms to discover and remedy the cause of the trouble.

### Food and Drugs Act, 1938.

The Notts. C.C. are the Authority responsible for the administration of the above Act and we are indebted to Mr. Templeman, the Chief Food and Drugs Inspector for the following particulars of work done during 1944.

	No. of Samples	No. Satisfactory.
Samples of various foods and drugs (except milk) examined	26	26
Samples of milk examined by the Inspector	34	34
Samples of milk examined by the Inspector (Gerber test)	80	78
Samples of milk examined under the Milk (Special Designations) Orders 1936-38	64	44

No legal proceedings were instituted under the Food and Drugs Act during the year by the Notts. C.C. in respect of this district.

### Unsound Food.

The following foodstuffs were found on inspection to be unfit for human consumption and were either collected by the Ministry of Food, Salvage Department, used for animal foodstuffs, or destroyed :-

Carcases and organs of 2 pigs, 1 pigs liver and lungs,  
2 pigs mesentery and 3 pigs heads.

144 tins Meat	10 tins Fruit
34 tins Vegetables	32 tins Jam
2 tins Soup	2 tins Service Biscuits
43 tins Fish	4 pkts. Biscuits
147 tins Milk	29 lbs. Cheese
120 Eggs	266 lbs. Peas
112 lbs. Christmas Pudding	3 lbs. 2 ozs. Butter
13½ lbs. Tea	2 lbs. Lard
14 lbs. Sugar	30 lbs. Sweets

5 lbs. Currants	12 doz. bars Chocolate Nougat
2 lbs. Sultanas	18 lbs. & 3 bars Chocolate
12 lbs. Sausage Meat	112 bottles French Mustard
92 lbs. Sausage	7 cwt. 86 lbs. Oats
35 lbs. Sausage Rusk	3 cwt. 85 lbs. Oatmeal
28 $\frac{1}{4}$ lbs. Bacon	1 $\frac{1}{2}$ cwt. Pearl Barley
3 cwt. 42 $\frac{1}{2}$ lbs. Ham	16 cwt. 111 lbs. Rice
29 lbs. Lamb	14 pkts. Wheat Flakes.
30 lbs. Beef	
17 lbs. Mutton	
13 lbs. Pork	

May we conclude by expressing to the Chairman and Members of the Health Committee our appreciation of their continued support during the year. We would also acknowledge the efforts of the Health Department Staff and offer our sincere thanks to them and to our Colleagues in other Departments for their ready co-operation.

We remain,

Your obedient Servants,

C. H. WARNER,  
Medical Officer of Health.

and

W. R. BROWNHILL,  
Senior Sanitary Inspector.

